

A LIST of the Pleurotomidæ collected during the Chevert Expedition, with the description of the new species—by JOHN BRAZIER, C.M.Z.S.L.

## FAMILY PLEUROTOMIDÆ.

## SUB-FAMILY PLEUROTOMINÆ.

## 1.—PLEUROTOMA VIOLACEA.

*Pleurotoma violacea*, Hinds. Proc. Zool. Soc., 1843, p. 38.

„ „ Reeve. Conch. Icon., pl. 22, sp. 186.

*Hab.* Cape Grenville, North East Coast of Australia, 20 fathoms; Princess Charlotte Bay, North East Australia, 14 fathoms; Cape York, North East Coast, 11 fathoms; Darnley Island, Torres Straits, 20 fathoms; Katow, New Guinea, 4 fathoms. Also found as far south as Jervis Bay and Port Jackson, in New South Wales (Brazier).

## 2.—PLEUROTOMA ARMILLATA.

*Pleurotoma armillata*, Reeve. Proc. Zool. Soc., 1845, p. 111.

„ „ „ Conch. Icon., pl. 21, sp. 176.

*Hab.* Darnley Island, Torres Straits, 20 fathoms; sandy mud bottom.

## 3.—PLEUROTOMA PUNCTATA.

*Pleurotoma punctata*, Reeve. Proc. Zool. Soc., 1845, p. 111

„ „ „ Conch. Icon., pl. 21, sp. 181.

*Hab.* Darnley Island, Torres Straits, 20 to 30 fathoms.

## 4.—PLEUROTOMA (SURCULA) GEMMATA.

*Pleurotoma gemmata*, Hinds. Proc. Zool. Soc., 1843, p. 37.

„ „ „ Reeve. Conch. Icon., pl. 40, sp. 83.

*Hab.* Darnley Island, Torres Straits, 11 fathoms; bottom mud.

## 5.—PLEUROTOMA (SURCULA) REFLEXA.

*Pleurotoma reflexa*, Reeve. Proc. Zool. Soc., 1845, p. 114.

„ „ „ Conch. Icon., pl. 28, sp. 252.

*Hab.* Katow, New Guinea, 4 to 7 fathoms; sandy mudbottom.

## 6.—PLEUROTOMA (SURCULA) JUBATA.

*Pleurotoma jubata*, Hinds. Proc. Zool. Soc., 1843, p. 37.

„ „ „ Reeve. Conch. Icon., pl. 7, sp. 52.

*Hab.* Darnley Islands, Torres Straits, 20 to 30 fathoms.

## 7.—PLEUROTOMA (SURCULA) BREVICAUDATA.

*Pleurotoma brevicaudata*, Reeve. Proc. Zool. Soc., 1843, p. 186.

„ „ „ Conch. Icon., pl. 15, sp. 126.

*Hab.* Darnley Island, Torres Straits, 12 fathoms.

## 8.—DRILLIA SINENSIS.

*Clavatula Sinensis*, Hinds. Proc. Zool. Soc., 1843, p. 38.

*Pleurotoma Sinensis*, Reeve. Conch. Icon., pl. 11, sp. 153.

*Hab.* Cape Grenville, North East Australia, 13 fathoms; coarse sandy bottom.

## 9.—DRILLIA TAYLORIANA.

*Pleurotoma Tayloriana*, Reeve. Conch. Icon., pl. 40, sp. 366.

*Hab.* Darnley Island, Torres Straits, 30 fathoms; coarse white sand.

Two specimens of this rare species were brought up from the above depth.

## 10.—DRILLIA PUTILLA.

*Pleurotoma putillus*, Reeve. Proc. Zool. Soc., 1845, p. 113.

„ „ „ Conch. Icon., pl. 25, sp. 219.

*Hab.* Cape York, North Australia; 11 fathoms.

## 11.—DRILLIA VARICOSA.

*Pleurotoma varicosa*, Reeve. Proc. Zool. Soc., 1843, p. 187.

„ „ „ Conch. Icon., pl. 16, sp. 141b.

*Hab.* York Island, 16 fathoms ; Darnley Island, Torres Straits, 20 fathoms, sandy mud bottom ; Palm Island, North East Australia, 11 fathoms, bottom mud.

The specimens from the Torres Straits Islands run small. One specimen from Palm Island very large.

12.—DRILLIA RADULA.

*Pleurotoma radula*, Hinds. Proc. Zool Soc., 1843, p. 38.

„ „ Reeve. Conch. Icon., pl. 25, sp. 223.

*Hab.* Cape Grenville, North East Australia, 20 fathoms ; Darnley Island, Torres Straits, 20 to 30 fathoms ; Katow, New Guinea, 4 to 7 fathoms. Also, Port Stephens, and Port Jackson (Brazier), Straits of Malacca (Hinds).

13.—DRILLIA MASTERSI, N. SP.

Shell ovate, solid, reddish brown, depressly flattened at the upper part, whorls  $8\frac{1}{2}$ , transversely sculptured, centre of upper whorls tuberculated, spotted with white, the last longitudinally rather obliquely ribbed ; at the angle they become more like prickly nodules, below somewhat white ; suture minutely spirally striated, lip simple, brownish in centre, having an obsolete white sinus below ; upper sinus white, deep, and wide, with thick deposit of callus on body whorl, and extending down in a thin plate to the collumellar ; canal very short and wide.

Length  $5\frac{1}{2}$ , breadth 2 lines.

*Hab.* Warrior Reef (west side), near New Guinea ; 8 fathoms, sandy mud bottom. Two specimens found (Brazier).

14.—DRILLIA SPALDINGI, N. SP.

Shell acuminate turreted, white, whorls 10, somewhat flattened, nodosely angulated at the upper part, suture smooth, centre with obtuse nodules, longitudinally ribbed and cancellated with regular raised striæ ; larger and plainer on the last whorl, blotched with brown, canal short, outer lip thin, depressed behind, somewhat like a channel, sinus rather deep and broad, lower small.

Length 7, breadth 3 lines.

*Hab.* Bet Island, Torres Straits, 11 fathoms, off a coral bottom ; Darnley Island, Torres Straits, 30 fathom, coral and white sandy bottom.

15.—DRILLIA (CRASSISPIRA) ALABASTER VAR.

*Pleurotoma alabaster*, Reeve. Proc. Zool. Soc., 1843, p. 181.

” ” ” Conch. Icon., pl. 8, sp. 65.

*Hab.* Darnley Island, Torres Straits, 30 fathoms ; found on a bottom of white sand and broken shells.

16.—DRILLIA (CLAVATULA) NITENS.

*Clavatula nitens*, Hinds. Proc. Zool. Soc., 1843, p. 41.

*Pleurotoma nitens*, Reeve. Conch. Icon., pl. 22, sp. 189.

*Hab.* Palm Island, North East Australia, 11 fathoms, mud bottom ; Darnley Island, Torres Straits, 20 fathoms, bottom sand and mud ; New Guinea, Straits of Macassar, and Malacca (Hinds).

17.—CLATHURELLA DARNLEYI, N. SP.

Shell pyramidal, slender, acuminate, six-sided, horny brown, longitudinally ribbed, crossed with raised striæ, somewhat rugose, interstices smooth, whorls 7-8, flattened, suture opaque, sculpture much plainer on the last whorl ; inner lip with thin deposit of callus, outer thin, edged with black, sinus wide, cut deep down, canal short.

Length 4 lines, breadth  $1\frac{1}{2}$  line.

*Hab.* Darnley Island, Torres Straits, 20 fathoms, bottom sand and mud.

18.—CLATHURELLA LANGUIDA.

*Pleurotoma languida*, Reeve. Proc. Zool. Soc., 1845, p. 115.

” ” ” Conch. Icon., pl. 29, sp. 257.

*Hab.* Darnley Island, Torres Straits ; 20 fathoms.

19.—CLATHURELLA AMABILIS.

*Clavatula amabilis*, Hinds. Proc. Zool. Soc., 1843, p. 40.

*Pleurotoma amabilis*, Reeve. Conch. Icon., pl. 34, sp. 308.

*Hab.* Darnley Island, Torres Straits; 20 fathoms, sand and mud. Straits of Malacca, 17 fathoms, mud (Hinds).

The original or typical species described by Mr. Hinds, mentions the suture being ornamented with white spots. The specimens dredged by me are ornamented with light brown spots.

20.—CLATHURELLA DEBILIS.

*Clavatulula debilis*, Hinds. Proc. Zool. Soc., 1843, p. 39.

*Pleurotoma debilis*, Reeve. Conch. Icon., pl. 22, sp. 187.

*Hab.* Darnley Island, Torres Straits, 20 fathoms, sand bottom.

21.—CLATHURELLA ARCTATA.

*Pleurotoma arctata*, Reeve. Proc. Zool. Soc., 1845, p. 118.

” ” ” Conch. Icon., pl. 32, sp. 294.

*Hab.* Darnley Island, Torres Straits, 20 fathoms, mud bottom.

22.—CLATHURELLA DONATA.

*Clavatulula donata*, Hinds. Proc. Zool. Soc., 1843, p. 43.

*Pleurotoma donata*, Reeve. Conch. Icon., pl. 26, sp. 228.

*Hab.* Katow, New Guinea, 4 fathoms, mud bottom (Brazier).  
North Coast of New Guinea, 23 fathoms, mud (Mr. Hinds).

23.—CLATHURELLA TINCTA.

*Pleurotoma tincta*, Reeve. Proc. Zool. Soc., 1846, p. 5.

” ” ” Conch. Icon., pl. 38, sp. 347.

*Hab.* Katow, South Coast of New Guinea, 4 fathoms, mud bottom (Brazier).

24.—CLATHURELLA DÆDALA.

*Pleurotoma daedala*, Reeve. Proc. Zool. Soc., 1846, p. 6.

” ” ” Conch. Icon., pl. 38, sp. 335.

*Hab.* Darnley Island, Torres Straits, 30 fathoms, bottom sand.

25.—CLATHURELLA FUSOIDES.

*Pleurotoma fusoides*, Reeve. Proc. Zool. Soc., 1846, p. 6.

” ” ” Conch. Icon., pl. 38, sp. 349.

*Hab.* Katow, South Coast of New Guinea, 4 fathoms, mud bottom (Brazier); Island of Mindanao, Philippines; found in sandy mud, at the depth of 25 fathoms (Cuming).

26.—CLATHURELLA ARGILLACEA.

*Clavatula argillacea*, Hinds. Proc. Zool. Soc., 1843, p. 40.

*Pleurotoma argillacea*, Reeve. Conch. Icon., pl. 25, sp. 217.

*Hab.* Darnley Island, Torres Straits; 30 fathoms; sandy mud bottom (Brazier); Straits of Malacca; 17 fathoms, mud (Hinds).

27.—CLATHURELLA PYRAMIDULA.

*Pleurotoma pyramidula*, Reeve. Proc. Zool. Soc., 1845, p. 115.

” ” ” ” Conch. Icon., pl. 29, sp. 260.

*Hab.* Katow, South Coast of New Guinea; 4 fathoms; mud bottom.

28.—CLATHURELLA CRASSILABRUM.

*Pleurotoma crassilabrum*, Reeve. Proc. Zool. Soc., 1843, p. 185.

” ” ” ” Conch. Icon., pl. 14, sp. 118a.

*Hab.* Darnley Island, Torres' Straits; 20 fathoms; sandy mud bottom.

29.—CLATHURELLA RAVA.

*Clavatula rava*, Hinds. Proc. Zool. Soc., 1843, p. 39.

*Pleurotoma rava*, Reeve. Conch. Icon., pl. 28, sp. 250.

*Hab.* Katow, South Coast of New Guinea; 4 fathoms, mud.

30.—CLATHURELLA SPURCA.

*Clavatula spurca*, Hinds. Proc. Zool. Soc., 1843, p. 29.

*Pleurotoma spurca*, Reeve. Conch. Icon., pl. 34, sp. 12.

*Hab.* Princess Charlotte Bay, North East Australia, 13 fathoms; Cape Grenville, North East Australia, 20 fathoms, mud; Darnley Island, Torres Straits, 30 fathoms, sandy, mud; Katow, South Coast of New Guinea, 4 to 7 fathoms (Brazier); North Coast of New Guinea, Straits of Malacca, 5 to 18 fathoms, mud bottom (Hinds).

## 31.—CLATHURELLA QUISQUALIS.

*Clavatula quisqualis*, Hinds. Proc. Zool. Soc., 1843, p. 44.

*Pleurotoma quisqualis*, Reeve. Conch. Icon. pl. 26, sp. 230.

*Hab.* Darnley Island, Torres Straits, 20 fathoms, sandy bottom.

## 32.—CLATHURELLA RAMSAYI, N. SP.

Shell oblong ovate, somewhat acuminate, longitudinally closely ribbed, corded with fine transverse ridges, interstices deep, white, whorls 6, flat, encircled at the suture with black, showing plainer on the back of last whorl, apex acute, brown, lip thickened, sinus narrow, canal little recurved.

Length  $2\frac{1}{2}$  lines, breadth 1 line.

*Hab.* Katow, New Guinea, 4 fathoms; found in the crevice of a piece of coral brought up in the dredge. Only one specimen found.

## 33.—CLATHURELLA BARNARDI, N. SP.

Shell somewhat fusiformly ovate, longitudinally stoutly ribbed every alternate black and white, latticed with fine transverse ridges, interstices shallow, whorls 8, slightly rounded, suture deep, smooth, spire acuminate, apex acute, brown, granulated, lip thickened, white, black behind, sinus wide, above thickened, shallow, canal slightly recurved.

Length  $2\frac{1}{2}$  lines, breadth 1 line.

*Hab.* Barnard Islands, No. 3, North East Australia; four specimens found under a large stone.

## 34.—CLATHURELLA MACLEAYI, N. SP.

Shell ovate, elongated white or pink, smooth, shining, somewhat longitudinally obliquely ribbed, ribs rounded, interstices smooth, whorls 8, flattened, strongly striated on the last in front, rather opaque below the suture, lip thickened, brown spot on the lower part, sinus deep and rounded, thickened on the body whorl, canal narrow, short, straight.

Length 3 lines, breadth  $1\frac{1}{4}$  line.

*Hab.* Princess Charlotte Bay, North East Australia, 13 fathoms, coarse sand and mud bottom, specimens white. Cape Grenville, North East Australia, 20 fathoms, white sand and mud bottom, specimens pink or flesh colour. Cape York, North Coast of Australia, 11 fathoms, coarse sand and broken shells, specimens white. Darnley Island, Torres Straits, 20 to 30 fathoms, coarse sand and mud, specimens pink; few white specimens found. Bet Island, Torres Straits, 11 fathoms, coral bottom in company with young *Meleagrina margaritifera*, Linn. Three specimens obtained, white. Katow, South Coast of New Guinea, 4 fathoms, bottom mud; specimens white, few obtained.

35.—CLATHURELLA TRICOLOR, N. SP.

Shell ovate, spire acuminate, transversely elevately striated, longitudinally ribbed, interstices minutely granulated, blue-black, ornamented with a white band round the centre of the last whorl, continuous to the suture, whorls 7, slightly convex, centre with yellow grains, above and below dirty blue, sinus narrow, shallow, canal very short, outer lip strongly crenulated, columellar slightly interior of aperture blackish with white band showing.

Length 4 lines, breadth  $1\frac{1}{2}$  line.

*Hab.* Palm Island, North East Coast of Australia (Brazier). Three specimens found on the reef under a block of coral.

36.—DAPHNELLA SUBULA.

*Pleurotoma subula*, Reeve. Proc. Zool. Soc., 1845, p. 113.

” ” ” Conch. Icon., pl. 24, sp. 211.

*Hab.* Darnley Island, Torres Straits; 8 fathoms, mud.

37.—DAPHNELLA ORNATA.

*Daphnella ornata*, Hinds. Moll. Voyage Sulphur, p. 25, pl. 7, fig. 221.

*Pleurotoma ornata*, Reeve. Conch. Icon., pl. 24, sp. 209.

*Hab.* Darnley Island, Torres Straits; 20 fathoms, sandy mud.



38.—*DAPHNELLA PLURICARINATA.*

*Pleurotoma pluricarinta*, Reeve. Proc. Zool. Soc., 1845, p. 115.

„ „ „ Conch. Icon., pl. 22, sp. 228.

*Hab.* Darnley Island, Torres Straits, 20 fathoms ; ten specimens found.

39.—*DAPHNELLA MARMORATA.*

*Daphnella marmorata*, Hinds. Moll. Voyage Sulphur, p. 25, pl. 7, fig. 19.

*Pleurotoma Daphnelloides*, Reeve. Conch. Icon., pl. 24, sp. 206.

*Hab.* Darnley Island, Torres Straits, 30 fathoms, coarse sandy mud ; only one specimen found.

40.—*CYTHARA PONDEROSA.*

*Mangelia ponderosa*, Reeve. Conch. Icon., pl. 6, sp. 44.

*Hab.* Darnley Island, Torres Straits, 10 fathoms, coarse sand.

41.—*CYTHARA CAPILLACEA.*

*Mangelia capillacea*, Reeve. Conch. Icon., pl. 2, sp. 10.

„ „ „ Proc. Zool. Soc., 1846, p. 60.

*Hab.* Darnley Island, Torres Straits, 20 fathoms, found in sandy mud.

42.—*CYTHARA PESSULATA.*

*Mangelia pessulata*, Reeve. Proc. Zool. Soc., 1846, p. 63.

„ „ „ Conch. Icon., pl. 6, sp. 38.

*Hab.* Bet Island, Torres Straits ; found on the beaches, thrown up after a gale.

43.—*CYTHARA CYLINDRICA.*

*Mangelia cylindrica*, Reeve. Proc. Zool. Soc., 1846, p. 60.

„ „ „ Conch. Icon., pl. 2, sp. 9.

*Hab.* Darnley Island, Torres Straits, 10 to 20 fathoms, mud bottom.

## 44.—CYTHARA ABYSSICOLA.

*Mangelia abyssicola*, Reeve. Proc. Zool. Soc., 1846, p. 62.  
 " " " Conch. Icon., pl. 5, sp. 30a, 30b.

*Hab.* Darnley Island, Torres Straits, 10 to 20 fathoms.

## 45.—CYTHARA MACULATA.

*Mangelia maculata*, Reeve. Proc. Zool. Soc., 1846, p. 61.  
 " " " Conch. Icon., pl. 4, sp. 22a, 22b.

*Hab.* Darnley Island, Torres Straits, 30 fathoms, coarse sandy bottom ; only one specimen found.

## 46.—CYTHARA ANGULATA.

*Mangelia angulata*, Reeve. Proc. Zool. Soc., 1846, p. 64.  
 " " " Conch. Icon., pl. 8, sp. 62.

*Hab.* Cape York, North Australia, 5 fathoms, sandy bottom.

## 47.—CYTHARA BALTEATA.

*Mangelia balteata*, Reeve. Proc. Zool. Soc., 1846, p. 64.  
 " " " Conch. Icon., pl. 7, sp. 57.

*Hab.* Barnard Islands, No. 3, North East Australia ; one specimen found under a stone ;

Darnley Island, Torres Straits, 20 fathoms, coarse sand and broken shells ; one specimen obtained, large.

## 48.—CYTHARA GOODALLI.

*Mangelia Goodalli*, Gray, Reeve. Conch. Icon., pl. 7, sp. 58.

*Hab.* Darnley Island, Torres Straits, 10 to 20 fathoms, white sandy bottom.

## 49.—CYTHARA PELLUCIDA.

*Mangelia pellucida*, Reeve. Proc. Zool. Soc., 1846, p. 64.  
 " " " Conch. Icon., pl. 8, sp. 61.

*Hab.* Darnley Island, Torres Straits, 30 fathoms ; bottom fine sand.



*Hab.* Cape York, North Australia, 11 fathoms; mud bottom; Katow, South Coast of New Guinea, 5 fathoms.

56.—MANGELIA HEXAGONALIS.

*Pleurotoma hexagonalis.* Reeve. Proc. Zool. Soc., 1845, p. 118.  
 " " " Conch. Icon., pl. 32, sp. 293.

*Hab.* Bet and Darnley Islands, Torres Straits, 12 to 20 fathoms; Katow, South Coast of New Guinea, 4 fathoms.

Species of Pleurotomidæ were also dredged at the undermentioned localities, the greater part of them being dead and rather sea-worn, also broken in the lip and otherwise destroyed.

From Darnley Island, Torres Straits, 45 species.

Bet	"	"	"	5	"
Sue	"	"	"	1	"
York	"	"	"	1	"

Cape Grenville, North East Australia, 5 species

Princess Charlotte Bay, North East Australia, 3 species

Cape York, North Australia, 15 species

Katow, South Coast of New Guinea, 46 species

And out of that number, 75 species, there are only single specimens; it would be too hazardous to describe from single specimens.

Description of a new species of Kangaroo, from New Guinea, by  
 E. PIERSON RAMSAY, F.L.S., &c., Curator of the Australian  
 Museum, Sydney.

HALMATURUS CRASSIPES. *nov. sp.*

	3—3	1—1	4—4
In.	—	p.m. —	m. —
	1—1	1—1	4—4

*Young Female.*—Fur stiff, harsh, and short; general colour, yellowish sandy-brown, deeper on the upper surface where, on the back is it pencilled with black hairs most conspicuously on the